



# Climate



**What is requested?** NOAA's Climate Goal requests \$239.9 million in FY 2006, reflecting a net increase of +\$19.6M over the FY 2006 base level. This increase includes \$10.6M for the high priority Climate Change Research Initiative (CCRI); \$7.4M to reactivate activities requested under Climate Observations and Services (COS) in the FY2005 President's Budget; and \$1.6M to restore funding requested in FY 2005 for other ongoing climate activities.

**What are the benefits?** This increase responds to the long-term observational requirements of climate predictions and assessments. Funding to reactivate COS activities will ensure continuation of climate observing networks such as the highly-regarded Climate Reference Network (CRN) and NOAA's Baseline Observatories. NOAA will be able to ensure critical monitoring of long-term trends in important climate variables and to improve forecasting capabilities and applications development over timescales from weeks to seasons.

**Why do we need it?** These programs serve as a foundation for NOAA's participation in the interagency U.S. Climate Change Science Program (CCSP) by funding important research and key observations and thereby reducing uncertainties in climate change science. These increases will support the objective in the Department of Commerce Strategic Plan to "Advance understanding and predict changes in the Earth's environment to meet America's economic, social, and environmental needs." In addition, these increases will support the research and production of CCSP synthesis and assessment reports.

**What will we do?** NOAA will ensure continued funding for CRN and Baseline Observations; continue building and maintaining a global ocean observing system; initiate a new five-year effort to better understand of how aerosols (airborne fine particles) influence climate by their interaction with clouds; expand the Tropical Atmospheric Ocean (TAO) buoy array into the Indian Ocean; conduct new studies to better explain the causes for observed climate variability and change; and continue expanding and refining regional integrated research and outreach.

NOAA FY 2006 Budget (\$ in Millions)		
	Current Program	Program Change
ORF	\$213.7	\$19.6
PAC	\$6.5	\$0.0
<b>TOTAL</b>	<b>\$220.2</b>	<b>\$19.6</b>

**For additional information please contact:**

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